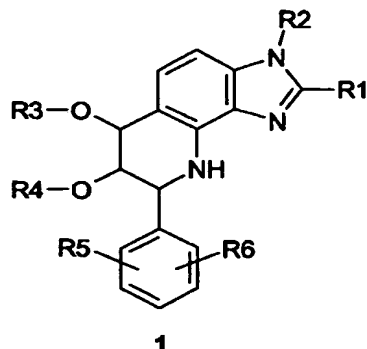


Patent Claims

1. A compound of the formula 1



in which

- R1** is hydrogen, halogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,
- R2** is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,
- R3** is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl, hydroxy-1-4C-alkyl or a radical aryl-1-4C-alkyl
- wherein

aryl is a phenyl substituted by R31 and R32

where

R31 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy and

R32 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy,

- R4** is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,
- or where R3 and R4 together form a methylene (-CH₂-), an ethylene (-CH₂-CH₂-), a propylene (-CH₂-CH₂-CH₂-) or a isopropylidene (-C(CH₃)₂-) radical,

R5 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

R6 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

and its salts.

2. A compound of the formula 1 as claimed in claim 1, in which
- in which

- R1** is hydrogen, halogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,

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- R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,
R3 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,
R4 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl
R5 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl
R6 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl
and its salts.

3. A compound of the formula 1 as claimed in claim 1, in which

- R1 is hydrogen, 1-4C-alkyl or 3-7C-cycloalkyl,
R2 is hydrogen, 1-4C-alkyl or 3-7C-cycloalkyl,
R3 is hydrogen, 1-4C-alkyl, 3-5C-cycloalkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl, hydroxy-1-4C-alkyl or a radical aryl-1-4C-alkyl
wherein

aryl is a phenyl substituted by R31 and R32

where

R31 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy and

R32 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy,

- R4 is hydrogen, 1-4C-alkyl or hydroxy-1-4C-alkyl

or where R3 and R4 together form a methylene ($-\text{CH}_2-$), an ethylene ($-\text{CH}_2\text{CH}_2-$), a propylene ($-\text{CH}_2\text{CH}_2\text{CH}_2-$) or a isopropylidene ($-\text{C}(\text{CH}_3)_2-$) radical,

- R5 is hydrogen, fluoro, 1-4C-alkyl or fluoro-1-4C-alkyl

- R6 is hydrogen, fluoro, 1-4C-alkyl or fluoro-1-4C-alkyl

and its salts.

4. A compound of the formula 1 as claimed in claim 1, in which

- R1 is 1-4C-alkyl,

- R2 is hydrogen or 1-4C-alkyl,

- R3 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, or a radical Aryl-1-4C-alkyl,

wherein

Aryl is phenyl,

- R4 is hydrogen,

or where R3 and R4 together form an ethylene ($-\text{CH}_2\text{CH}_2-$) radical,

- R5 is hydrogen and

- R6 is hydrogen,

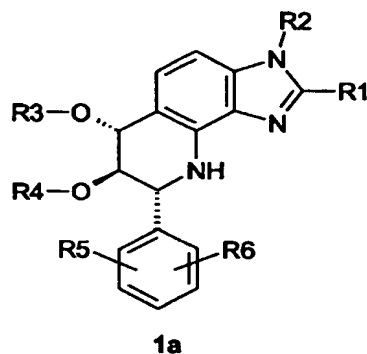
and its salts.

5. A compound of the formula 1 as claimed in claim 1, in which

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- R1 is 1-4C-alkyl,
 R2 is 1-4C-alkyl,
 R3 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl
 R4 is hydrogen,
 R5 is hydrogen,
 R6 is hydrogen
 and its salts.

6. A compound of the formula 1 as claimed in claim 1, characterized by the formula 1a,



in which

- R1 is hydrogen, halogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,
 R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,
 R3 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl, hydroxy-1-4C-alkyl or a radical aryl-1-4C-alkyl

wherein

aryl is a phenyl substituted by R31 and R32

where

R31 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy and

R32 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy,

- R4 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,

or where R3 and R4 together form a methylene ($-\text{CH}_2-$), an ethylene ($-\text{CH}_2\text{CH}_2-$), a propylene ($-\text{CH}_2\text{CH}_2\text{CH}_2-$) or a isopropylidene ($-\text{C}(\text{CH}_3)_2-$) radical,

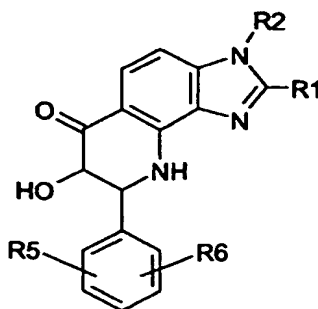
R5 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

R6 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

and its salts.

7. A compound of the formula 3

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in which

R1, R2, R5 and R6 have the meanings as indicated in claim 1 and its salts.

8. A process for the synthesis of compounds of the formula 1 as claimed in claim 1, which comprises
- converting compounds of the formula 3 as claimed in claim 7 to compounds of the formula 1 as claimed in claim 1.
9. A medicament comprising a compound as claimed in claim 1 and/or a pharmacologically acceptable salt thereof together with customary pharmaceutical auxiliaries and/or excipients.
10. The use of a compound as claimed in claim 1 and its pharmacologically acceptable salts for the prevention and treatment of gastrointestinal disorders.